

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE 1 OF 2 PAGES		
2. AMENDMENT/MODIFICATION NO. Am-0003		3. EFFECTIVE DATE 17 JULY 2003		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
U.S. Army Engineer District, Honolulu ATTN: CEPOH-CT-C Building 230 Fort Shafter, HI 96858-5440							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(✓)		9A. AMENDMENT OF SOLICITATION NO. DACA83-03-R-0023	
				X		9B. DATED (SEE ITEM 11) 11 JUNE 2003	
						10A. MODIFICATION OF CONTRACTS/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

FY03 FHMA Pkg H-65, Replace Secondary Electrical Distribution System, Aliamanu Military Reservation, Oahu, Hawaii

See Page 2 of 2 Pages

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR		16B. UNITED STATES OF AMERICA	
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	
15C. DATE SIGNED		16C. DATE SIGNED	

1. CHANGES TO SPECIFICATIONS. Attached hereto are revised and new pages or sections to the specifications. The revision mark "(Am-0003)" is shown on each page.

a. REVISED PAGES. The following are revised pages to the specifications. Revised pages replace like - numbered pages.

<u>Section</u>	<u>Pages</u>
SF 1442	Page 1 of 9 Pages
00100	00100-1, 00100-11

b. NEW PAGES. The following pages are added to the specifications:

<u>Section</u>	<u>Pages</u>
00010	00010-3 through 00010-9
00120	00120-1 through 00120-9
01010	01010-1 through 01010-15
01451	01451-1 through 01451-11

c. DELETED PAGES. The following pages are deleted from the specifications:

<u>Section</u>	<u>Pages</u>
00010	00010-3 through 00010-8
00120	00120-1 through 00120-9
01010	01010-1 through 01010-3
01451	01451-1 through 01451-15

2. The proposal due date is hereby extended from 21 July 2003, to 22 July 2003, 2:00 P.M. HST (Hawaii Standard Time), which is reflected on the attached revised page of the SF 1442.

SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO.	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	DACA83-03-R-0023	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	11 JUNE 2003	1 9

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NO.
7. ISSUED BY US Army Engineer District, Honolulu ATTN: CEPOH-CT-C Building 230 Fort Shafter, HI 96858-5440	CODE	8. ADDRESS OFFER TO US Army Engineer District, Honolulu ATTN: Construction/A-E Contracts Branch Building 200 Fort Shafter, HI 96858-5440
9. FOR INFORMATION CALL:	A. NAME Mr. Julius Kaneshiro	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) (808) 438-8567

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

FY03 FHMA Pkg H-65, Replace Secondary Electrical Distribution System, Aliamanu Military Reservation, Oahu, Hawaii

11. The Contractor shall begin performance within <u>7</u> calendar days and complete it within <u>*</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. (See *FAR 52.211-10 in Section 00700)	
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES," indicate within how many calendar days after award in Item 12B.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12B. CALENDAR DAYS 14

13. ADDITIONAL SOLICITATION REQUIREMENTS:

- A. Sealed offers in original and ** copies to perform the work required are due at the place specified in Item 8 by 2:00 PM HST (hour) local time 22 JUL 2003 (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.
 **See Section 00120
- B. An offer guarantee ☒ is, ☐ is not required.
- C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- D. Offers providing less than 60 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

REQUEST FOR PROPOSALS NO. DACA83-03-R-0023

SECTION 00010
PROPOSAL SCHEDULE

FY03 FHMA Pkg H-65
Replace Secondary Electrical Distribution System
 AMR, OAHU, HAWAII

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	AMOUNT
<u>BASE</u>				
1.	Field Office	1	Job	\$ _____
<u>OPTIONS</u>				
2.	New Secondary Service Laterals from Transformer A1 to Building Service Distribution Panels	1	Job	\$ _____
3.	New Secondary Service Laterals from Transformer A2 to Building Service Distribution Panels	1	Job	\$ _____
4.	New Secondary Service Laterals from Transformer A3 to Building Service Distribution Panels	1	Job	\$ _____
5.	New Secondary Service Laterals from Transformer A4 to Building Service Distribution Panels	1	Job	\$ _____
6.	New Secondary Service Laterals from Transformer A5 to Building Service Distribution Panels	1	Job	\$ _____
7.	New Secondary Service Laterals from Transformer B1 to Building Service Distribution Panels	1	Job	\$ _____
8.	New Secondary Service Laterals from Transformer B2 to Building Service Distribution Panels	1	Job	\$ _____
9.	New Secondary Service Laterals from Transformer B3 to Building Service Distribution Panels	1	Job	\$ _____
10.	New Secondary Service Laterals from Transformer B4 to Building Service Distribution Panels	1	Job	\$ _____

11.	New Secondary Service Laterals from Transformer B5 to Building Service Distribution Panels	1	Job	\$ _____
12.	New Secondary Service Laterals from Transformer B6 to Building Service Distribution Panels	1	Job	\$ _____
13.	New Secondary Service Laterals from Transformer B7 to Building Service Distribution Panels	1	Job	\$ _____
14.	New Secondary Service Laterals from Transformer B8 to Building Service Distribution Panels	1	Job	\$ _____
15.	New Secondary Service Laterals from Transformer B9 to Building Service Distribution Panels	1	Job	\$ _____
16.	New Secondary Service Laterals from Transformer B10 to Building Service Distribution Panels	1	Job	\$ _____
17.	New Secondary Service Laterals from Transformer B11 to Building Service Distribution Panels	1	Job	\$ _____
18.	New Secondary Service Laterals from Transformer B12 to Building Service Distribution Panels	1	Job	\$ _____
19.	New Secondary Service Laterals from Transformer B13 to Building Service Distribution Panels	1	Job	\$ _____
20.	New Secondary Service Laterals from Transformer B13A to Building Service Distribution Panels	1	Job	\$ _____
21.	New Secondary Service Laterals from Transformer C1 to Building Service Distribution Panels	1	Job	\$ _____
22.	New Secondary Service Laterals from Transformer C2 to Building Service Distribution Panels	1	Job	\$ _____
23.	New Secondary Service Laterals from Transformer C3 to Building Service Distribution Panels	1	Job	\$ _____
24.	New Secondary Service Laterals from Transformer C4 to Building Service Distribution Panels	1	Job	\$ _____

25.	New Secondary Service Laterals from Transformer C5 to Building Service Distribution Panels	1	Job	\$ _____
26.	New Secondary Service Laterals from Transformer C6 to Building Service Distribution Panels	1	Job	\$ _____
27.	New Secondary Service Laterals from Transformer C7 to Building Service Distribution Panels	1	Job	\$ _____
28.	New Secondary Service Laterals from Transformer C8 to Building Service Distribution Panels	1	Job	\$ _____
29.	New Secondary Service Laterals from Transformer C8A to Building Service Distribution Panels	1	Job	\$ _____
30.	New Secondary Service Laterals from Transformer C9 to Building Service Distribution Panels	1	Job	\$ _____
31.	New Secondary Service Laterals from Transformer C10 to Building Service Distribution Panels	1	Job	\$ _____
32.	New Secondary Service Laterals from Transformer C11 to Building Service Distribution Panels	1	Job	\$ _____
32A.	New Secondary Service Laterals from Transformer C12 to Building Service Distribution Panels	1	Job	\$ _____
32B.	New Secondary Service Laterals from Transformer C13 to Building Service Distribution Panels	1	Job	\$ _____
33.	New Secondary Service Laterals from Transformer C14 to Building Service Distribution Panels	1	Job	\$ _____
34.	New Secondary Service Laterals from Transformer C15 to Building Service Distribution Panels	1	Job	\$ _____
35.	New Secondary Service Laterals from Transformer D1 to Building Service Distribution Panels	1	Job	\$ _____
36.	New Secondary Service Laterals from Transformer D2 to Building Service Distribution Panels	1	Job	\$ _____

37.	New Secondary Service Laterals from Transformer D3 to Building Service Distribution Panels	1	Job	\$ _____
37A.	New Secondary Service Laterals from Transformer D4 to Building Service Distribution Panels	1	Job	\$ _____
38.	New Secondary Service Laterals from Transformer D6 to Building Service Distribution Panels	1	Job	\$ _____
39.	New Secondary Service Laterals from Transformer E1 to Building Service Distribution Panels	1	Job	\$ _____
40.	New Secondary Service Laterals from Transformer E2 to Building Service Distribution Panels	1	Job	\$ _____
41.	New Secondary Service Laterals from Transformer E3 to Building Service Distribution Panels	1	Job	\$ _____
42.	New Secondary Service Laterals from Transformer E4 to Building Service Distribution Panels	1	Job	\$ _____
43.	New Secondary Service Laterals from Transformer E5 to Building Service Distribution Panels	1	Job	\$ _____
44.	New Secondary Service Laterals from Transformer E6 to Building Service Distribution Panels	1	Job	\$ _____
45.	New Secondary Service Laterals from Transformer F1-1 to Building Service Distribution Panels	1	Job	\$ _____
46.	New Secondary Service Laterals from Transformer F1-2 to Building Service Distribution Panels	1	Job	\$ _____
47.	New Secondary Service Laterals from Transformer F1-3 to Building Service Distribution Panels	1	Job	\$ _____
48.	New Secondary Service Laterals from Transformer F1-4 to Building Service Distribution Panels	1	Job	\$ _____
49.	New Secondary Service Laterals from Transformer F1-5 to Building Service Distribution Panels	1	Job	\$ _____

50.	New Secondary Service Laterals from Transformer F1-6 to Building Service Distribution Panels	1	Job	\$ _____
51.	New Secondary Service Laterals from Transformer F2-1 to Building Service Distribution Panels	1	Job	\$ _____
52.	New Secondary Service Laterals from Transformer F2-2 to Building Service Distribution Panels	1	Job	\$ _____
53.	New Secondary Service Laterals from Transformer F2-3 to Building Service Distribution Panels	1	Job	\$ _____
54.	New Secondary Service Laterals from Transformer F2-4 to Building Service Distribution Panels	1	Job	\$ _____
55.	New Secondary Service Laterals from Transformer F2-5 to Building Service Distribution Panels	1	Job	\$ _____
56.	New Secondary Service Laterals from Transformer F3-1 to Building Service Distribution Panels	1	Job	\$ _____
57.	New Secondary Service Laterals from Transformer F3-2 to Building Service Distribution Panels	1	Job	\$ _____
58.	New Secondary Service Laterals from Transformer F3-3 to Building Service Distribution Panels	1	Job	\$ _____
59.	New Secondary Service Laterals from Transformer F3-4 to Building Service Distribution Panels	1	Job	\$ _____
60.	New Secondary Service Laterals from Transformer F3-5 to Building Service Distribution Panels	1	Job	\$ _____
61.	New Secondary Service Laterals from Transformer F3-6 to Building Service Distribution Panels	1	Job	\$ _____

TOTAL OPTIONS \$ _____

TOTAL BASE PLUS OPTIONS \$ _____

THE FOLLOWING WILL BE COMPLETED BY THE CONTRACTING OFFICER UPON AWARD:

TOTAL AWARD AMOUNT (Base plus Options Nos. _____) \$ _____

NOTE TO THE PROPOSAL SCHEDULE:

1. By submission of an offer under the OPTIONS, Offeror agrees that the Government may exercise the OPTION(S) at the time of award, or at any time within 120 days following the date of the award of the basic contract. (See Provision No. 52.217-5, EVALUATIONS OF OPTIONS, in Section 00100.)

2. Failure to bid on all the items in the Proposal Schedule may cause the offer to be considered nonresponsive.

PAYMENT(S)

Compensation for all work to be performed under this contract will be made under the payment item(s) listed herein. The principal features of the work to be included under the payment item(s) are noted. Work required by the drawings and specifications and not particularly mentioned shall be included in and be paid for under the contract price for the item to which the work pertains. Price(s) and payment(s) for the item(s) shall cover all work, complete and finished in accordance with the specifications, schedules, and drawings, and shall be full compensation for all work in connection therewith, including quality control and cost of performance-and payment-bond premiums as specified in the CONTRACT CLAUSES. Price(s) and payment(s) shall constitute full and final compensation for furnishing all materials, equipment, management, supervision, labor, transportation, fuel, power, water, and all incidental items necessary to complete the work, except as otherwise specified to be furnished by the Government. For the purpose of CONTRACT CLAUSE entitled "PROMPT PAYMENT FOR CONSTRUCTION CONTRACTS", the term "designated billing office" and "designated payment office" are as follows:

a. Billing Office
U.S. Army Engineer District, Honolulu
Fort Shafter Resident Office, Bldg. 230
Fort Shafter, HI 96858-5440

b. Payment Office
USACE Finance Center
Attn: CEFC-FP
5722 Integrity Drive
Millington, TN 38054-5005

Item numbers mentioned hereinafter correspond to the item numbers in the PROPOSAL SCHEDULE.

a. Item No. 1, Field Office, will be paid for at the contract price, to include all labor, vehicles, operations and storage area, supplies, and incidentals necessary to manage and administer the contract for the entire duration of the contract. This item shall include, but not be limited to mob/demob, project management, quality control, safety, superintendence, submittals, contract administration, as-builts, coordination, and all incidental items necessary to complete the work.

b. Item Nos. 2 thru 61, Options, New Secondary Service from Transformer to Building Service Distribution Panels will be paid for at the contract price complete, in place and ready for use, including site investigation, layout and installation of new service laterals, PVC ducts, concrete encasement, pull boxes, work/materials at the distribution service panels necessary to meet the latest NEC, splices, connections, testing, restoration of all disturbed areas, cleanup and all incidental items necessary to complete the work.

- End of Section -

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S-28.3 PENAL SUM AND FORM OF OFFER GUARANTEE

(Applicable to offers exceeding \$100,000)

Each offeror shall submit with its offer a separate offer guarantee using Standard Form 24, Bid Bond, with good and sufficient surety or sureties acceptable to the Government, or other security as provided in the clause entitled OFFER GUARANTEE in the CONTRACT CLAUSES section. This security shall be in the form of twenty percent (20%) of the offered price or three million dollars (\$3,000,000), whichever is less. The penal sum of the bond may be expressed in terms of a percentage of the offered price or may be expressed in dollars and cents.

Failure to submit a offer guarantee by the time and date set for receipt of proposals may be cause for rejection of a proposal, except as provided in provision 52.215-1, Instructions to Offerors--Competitive Acquisition.

[End of Statement]

S-36.2 MAGNITUDE OF THE PROPOSED PROJECT [FAR 36.204]

(a) Physical Characteristics: Install new insulated copper cables in conduit from approximately 60 transformers to approximately 4-5 buildings per transformer throughout Aliamanu Military Reservation. Work to include handholes and all associated materials. Materials and installation of the secondary system will be in accordance with HECO standards. Existing direct buried aluminum cabling to be abandoned in place. This performance-based contract will require the Contractor to submit proposed layouts, material shop drawings, as well as all standard Corps of Engineers construction required submittals. The construction timeframe is between September 2003 and July 2004.

(b) Estimated Price Range: The estimated price range of this work is between \$5,000,000.00 and \$10,000,000.00.

[End of Statement]

S-36.33 NOTIFICATION TO OFFERORS – ACCESS TO ARMY INSTALLATIONS

All vehicle operators must be prepared to provide a valid driver's license, vehicle registration, certificate of insurance and current safety inspection to the security guard prior to entry to the Installation. Offerors should anticipate a delay in entering the Installation and allow sufficient time when attending a site visit or pre-proposal conference or hand delivering an offer.

S-37.37 COST LIMITATION (JUN 1999)

The contract award for design and construction shall not exceed \$9,000,000.00 for this project. Offerors are under no obligation to approach this amount.

(End of clause)

SECTION 00120

PROPOSAL SUBMISSION REQUIREMENTS AND EVALUATION FACTORS

1.0 GENERAL

1.1. Cost of Preparing Proposals

The Government will not reimburse any Offeror any costs incurred in responding to this Request for Proposal.

1.2. Inquiries

Address all inquiries regarding this Request for Proposals to:

U.S. Army Engineer District, Honolulu
Attn: Mr. Julius Kaneshiro (CEPOH-CT-C)
Building S-200
Fort Shafter, Hawaii 96858-5440
Phone No. (808) 438-8567
Fax No. (808) 438-8588
E-Mail: julius.y.kaneshiro@usace.army.mil

1.3 Submittal of Proposals

Submit proposal packages to the US Army Corps of Engineers ("the Government") as shown in Block 8 of Standard Form 1442.

Proposals received by the Government after the date and time set for receipt of proposals will be handled in accordance with the requirements of Provision "52.215-1, Instructions to Offerors—Competitive Acquisition (May 2001)," subparagraph (c), found in Section 00100.

Proposals are requested in two (2) steps for this lowest-priced, technically acceptable (LPTA) source selection process.

Submit Non-Price proposals (Volume I) in Step 1.

Submit Price proposals (Volume II) and Subcontracting Plan (Volume III) in Step 2.

1.4 Proposal Evaluation

The Government intends to award a contract to the Offeror whose proposal is the Lowest Priced-Technically Acceptable (LPTA) proposal. An acceptable rating for each factor and subfactor is required for an offeror's proposal to receive further consideration. Failure to receive an acceptable rating for any factor or subfactor will result in rejection of the offeror's proposal notwithstanding acceptable ratings for other factors or subfactors. Only those Offerors receiving acceptable or neutral ratings in all factors and subfactors in Step 1 will be requested to submit proposals in Step 2. Award will be made to the responsible offeror that submits the lowest priced offer that is technically acceptable to the Government.

1.4.1 Non-Price Evaluation (Step 1)

Each factor or subfactor will be rated either Acceptable or Unacceptable, or Neutral. The Government will evaluate offers in accordance with the NON-PRICE EVALUATION FACTORS described in paragraph 2.5 of this section and the Offeror's proposed total price.

Factors/subfactors will be evaluated against the standards described in this section. Each factor/subfactor will receive one of the following ratings:

Acceptable. The proposal demonstrates an acceptable understanding of the requirements. The Offeror's proposed capability is of an acceptable level of quality and justified or substantiated by meeting the requirements of the factor or subfactor.

Unacceptable. The proposal fails to demonstrate an acceptable understanding of the requirements. The Offeror's proposal does not meet the requirements to receive an acceptable rating for the factor or subfactor.

Neutral. Offerors will not be rated acceptable or unacceptable if contracts were not issued a final performance evaluation.

1.4.2 Price Evaluation (Step 2)

Only those Offerors that received acceptable or neutral ratings in all factors and subfactors in Step 1 will be offered the opportunity to submit proposals in Step 2. The Government will compare the competing prices proposed by all Offerors determined to have submitted technically acceptable offers in Step 1 to establish price reasonableness.

1.5 Contract Award

The Government intends to award without discussions to the Offeror with the lowest priced, technically acceptable proposal, in accordance with the provisions of this solicitation and applicable acquisition regulations. However during the evaluation of the proposals, clarifications may be requested. Those proposals that receive an unacceptable rating on any of the non-price factors or subfactors in Step 1 may be determined unacceptable and may not receive further consideration for award. However, if discussions are determined necessary during Step 1, the Contracting Officer will conduct discussions. If discussions are determined necessary during Step 2, discussions will be conducted only with Offerors already determined technically acceptable in Step 1.

Upon completing the evaluation of all proposals in Step 1, as long as there is at least one acceptable proposal, the Contracting Officer may, in accordance with the provisions of this solicitation and applicable acquisition regulations, evaluate price for those proposals determined to be technically acceptable in Step 1. However, if *all* proposals are determined unacceptable in Step 1, then the Contracting Officer may conduct discussions with *all* Offerors. Upon conclusion of discussions, the Contracting Officer may request final proposal revisions from all Offerors and may, upon receipt of final proposal revisions, proceed to award a contract without further discussions or notice.

In the event that award cannot be made to the lowest-priced, acceptable Offeror, the Contracting Officer may conduct discussions only with Offerors that submitted an acceptable proposal in Step 1. Upon conclusion of discussions, the Contracting Officer may request final price proposal revisions from the Offerors that submitted an acceptable proposal in Step 1 and may, upon receipt of final proposal revisions, proceed to award a contract without further discussions or notice.

2.0 PROPOSAL FORMAT

2.1 General

Submit proposals in two (2) steps and in three (3) separate envelopes as described below. All proposal revisions shall be submitted as page replacements with revised text readily identifiable, e.g. bold face print or underlining. Proposal replacement pages shall be clearly marked "REVISED", shall show the date of revision, and shall be submitted in the appropriate number of copies (e.g., if four copies of the original page was required, then four copies of the revised page will also be required).

2.1.1 Step 1, Volume I, Non-Price Proposal

One envelope shall be clearly marked, "VOLUME I, NON-PRICE PROPOSAL, RFP NO. DACA83-03-R-0023." It shall contain an original and six (6) copies of the items provided in response to the Non-Price Factors described in paragraph 2.5, and the following:

- If the Offeror is a joint venture (JV), two copies (certified as a true copy) of the Offeror's executed joint venture agreement and identify the size status for each member of the JV.
- One (1) original and two (2) copies of the Offeror's completed Standard Form (SF) 1442, using a printed copy of the SF 1442 that has been issued under this solicitation.
- Two copies of the Offeror's completed Section 00600, Representations and Certifications, using a printed copy of Section 00600 included in this solicitation.
- Two copies of the Offeror's completed, if applicable, SF LLL, Disclosure of Lobbying Activities, using a printed copy of the SF LLL included as Appendix A in Section 00600.

2.1.2 Step 2, Price Proposal

Proposals in Step 2 shall be submitted in two (2) separate envelopes.

2.1.2.1 Volume II, Price Proposal

The first envelope shall be clearly marked, "VOLUME II, PRICE PROPOSAL, RFP NO. DACA83-03-R-0023." It shall contain one original and two copies of the Offeror's completed Standard Form (SF) 1442, using a printed copy of the SF 1442 included in this solicitation, and the following:

- One original and two copies of Section 00010, Price Proposal Schedule. Indicate whether or not Facilities Capital Cost of Money is included in the Offeror's costs of performing the work. Proposals that state that Facilities Capital Cost of Money is not included, or proposals that do not address Facilities Capital Cost of Money, will be deemed to have waived Facilities Capital Cost of Money.
- One electronic copy of the Price Proposal, formatted in either Microsoft Excel 2000 or Word for Windows 2000 or an earlier version of the same. Submit the electronic copy on a three and one-half inch (3-1/2") floppy diskette, IBM compatible, labeled with the offeror's name, the solicitation number and title, and the words, "Price Proposal - Electronic Copy."
- One original bid bond in the form and amount that is required by the provision entitled, "PENAL SUM AND FORM OF OFFER GUARANTEE," in Section 00100, and other pertinent provisions and clauses in this solicitation.

2.1.2.2 Volume III, Subcontracting Plan (only required from Large Business Concerns)

If the Offeror is a large business concern, the Offeror shall submit a subcontracting plan in accordance with FAR 52.219-9 (See Section 00100, Appendix A for a sample). If the Offeror is a joint venture (JV), the Offeror shall submit a copy of the JV agreement and identify the size status for each member of the JV. In addition, depending on the size status of the JV, the Offeror shall submit a subcontracting plan.

The second envelope shall be clearly marked, "VOLUME III, SUBCONTRACTING PLAN, RFP NO. DACA83-03-R-0023". Volume III will not be evaluated or rated. Only the selected Offeror's plan will be reviewed and must be approved prior to award of the contract.

2.1.3 Table of Contents

Proposal volumes shall be tabbed. Each of the proposal volumes shall include a Table of Contents that includes the title of the subject matter discussed therein and the page number where the information can be found. The volumes shall be organized in the same order listed in paragraph 2.4 of this Section. Each evaluation factor and subfactor shall be separately tabbed. Proposals that are not correctly tabbed may be considered unacceptable.

2.2. Proposal Presentation

Prepare proposals in the English language.

Proposals shall completely address the requirements of the RFP. Elaborate format, binders, special reproduction techniques, and the like are not necessary. However, the proposal shall be neatly organized and bound. All pages, except divider tabs, shall be numbered. Except for divider tabs and revisions sheets, as noted above, plain white 8-1/2" x 11" bond shall be used. However, if drawings or other graphics are included, Offerors may reduce them only to the extent that legibility is not lost.

There is no limit to the number of pages in the non-price proposal. Pages shall be single-sided and shall be typed. Type pitch shall be 10 pitch or larger.

Information presented should be organized so as to pertain to only the evaluation factor or subfactor in which section the information is presented. Information pertaining to more than one evaluation factor or subfactor should be repeated in the tab for each factor or subfactor.

2.3 Proposal Content

Proposals shall be in a narrative format, organized and titled so that each section of the proposal follows the order and format of the factors and subfactors set forth below in paragraph 2.5, "VOLUME I, NON-PRICE PROPOSAL".

Any information, presented in a proposal that the Offeror wants safeguarded from disclosure to other parties must be identified and labeled in accordance with the requirements of Provision "52.215-1, Instructions to Offerors—Competitive Acquisition (May 2001)," subparagraph (e), which is found in Section 00100 of this solicitation. The Government will endeavor to honor the restrictions against release requested by Offerors, to the extent permitted under United States law and regulations.

The proposal must set forth full, accurate, and complete information as required by this solicitation. The Government will rely on such information in the award of a contract. By submission of an offer, the Offeror agrees that all items in its proposal (key managerial and technical home office and on-site personnel, subcontractors, material and equipment manufacturers, targets for utilization of eligible SDB concerns, etc.) will be used throughout the duration of the contract and any substitutions of any item will require prior approval of the Contracting Officer.

2.4 Evaluation Factors

All proposals will be evaluated on non-price and price factors. Offerors are required to provide data addressing all stated factors in a clear and understandable format. If an Offeror does not have data relating to a specific factor, it shall be clearly stated in the proposal. Proposals that do not clearly address all factors may be considered unacceptable and may not receive further consideration.

All factors and subfactors within a factor have equal importance.

NON-PRICE FACTORS (Step 1/Volume I):

Factor I, Construction Experience

Factor II, Past Performance

Subfactor A - Performance Evaluations

Subfactor B - Customer Satisfaction

Factor III, Project Management

Factor IV, Small Business Program, Past performance in complying with Small Business Subcontracting Plan.

PRICE (Step 2/Volume II)

2.5 Step 1/Volume I, Non-Price Proposal

Data provided in response to the non-price factors described below shall be included in Volume I, "Non-Price Proposal". All references to Offeror shall include any proposed members of the Construction team meeting the criteria stated in paragraph 2.5.2 below.

2.5.1 Relevant Contracts

For a contract to be considered relevant, the contract must have been **declared** substantially complete between 1 July 1997 and 1 July 2003, and each contract must have involved at least three (3) of the characteristics listed below for a Construction contract. Evidence of substantial completion must be included in the proposal in order for a contract to be considered relevant.

If the offeror is submitting contracts based on its experience as a subcontractor, and not as the prime contractor, then the characteristics listed below must apply to the subcontract in order for the experience to be considered relevant. All data shall be provided in terms of the subcontract it was awarded, not the overall prime contract.

IDIQ-type contracts may be submitted only if a single task order on that contract involves at least three (3) of the characteristics for a Construction contract. Task orders may not be combined in order for the contract to meet the criteria for relevancy. Both the contract and the submitted task order must meet the substantially complete date criteria stated above. Regardless of the number of task orders submitted on a contract, each IDIQ-type contract can be counted, at most, once.

<i>Characteristic</i>	<i>Construction Contracts</i>
1	Contract amount at time of award was equal to or greater than \$2,000,000
2	Contract involved residential underground electrical secondary distribution system
3	Contract involved work in an occupied residential area
4	Contract involved underground electrical work installed per HECO standards
5	Work was managed through the use of a Network Analysis System

	(NAS) and involved multiple construction phases
6	Contract involved construction on a U.S. Government Military Base
7	Contract involved management of more than one subcontractor

2.5.2 Factor I, Construction Experience

Data provided in support of this factor shall clearly demonstrate the Offeror's ability to meet the requirements of the contract based on its experience on relevant contracts as defined in paragraph 2.5.1. Only experience considered relevant to this project will be considered.

For each contract provided in support of this factor, a Contract Data Sheet shall be completed. This sheet is included as Attachment 1 to this specification section. All requested information must be provided. Failure to provide any of the requested data may be cause to eliminate a contract from consideration in the evaluation. Only the form provided as Attachment 1 will be accepted. Data submitted in any other format will be eliminated from consideration.

The Offeror shall provide a narrative description of each relevant contract included in its proposal in addition to the Contract Data Sheet. The narrative shall clearly explain how the contract fulfills the experience characteristics for which it is being submitted. No more than five (5) pages shall be submitted for each contract, including the Contract Data Sheet and any continuation pages. Pages exceeding this 5-page limit will not be considered.

If the Offeror intends to rely on its joint venture partner's experience, the Offeror shall submit a Contract Data Sheet (Attachment 1), narrative description for the joint venture partner's relevant experience. In order to demonstrate the depth of its experience, Offerors may submit data for themselves and their joint venture partner for the same contract. However, the submission of data for multiple team members on the same contract will only be counted as a single contract.

Offerors shall identify relevant contracts, as defined in paragraph 2.5.1, in which they were the prime contractor.

2.5.2.1 Evaluation Standards

Acceptable	The Offeror has submitted one or more relevant contracts (para 2.5.1). These contracts demonstrate that the Offeror has had experience in all of the seven (7) listed Construction Contracts characteristics. Evidence of substantial completion is provided for all relevant contracts.
Unacceptable	Based on the submitted relevant contracts, the Offeror has not demonstrated experience on at least one of the Construction Contract characteristics, or evidence of substantial completion is not provided for all relevant contracts.

2.5.3 Factor II, Past Performance

Data provided in support of this factor shall clearly demonstrate the Offeror's ability to meet the requirements of the contract based on his documented past performance history on relevant contracts. Only past performance on relevant contracts will be considered (see paragraph 2.5.1 above).

Provide a copy of the final overall performance evaluation for each of the relevant contracts identified in Factor I that were completed between 1 July 1997 and 1 July 2003. Only performance evaluations for the Offeror will be considered. Provide complete and accurate documentation for each evaluation. Undocumented performance evaluations may not be considered. The Government may use data provided by the Offeror and data obtained from other sources. While the Government may elect to consider data

obtained from other sources, the burden of providing thorough and complete past performance information rests with the Offeror.

2.5.3.1 Subfactor A, Performance Evaluations

Provide documentation of the final overall performance evaluation received for the submitted relevant contracts.

2.5.3.1.1 Evaluation Standards

Acceptable	Performance evaluation documentation is provided for all submitted relevant contracts completed between 1 July 1997 and 1 July 2003. The Offeror has received no less than satisfactory on all final performance ratings on these contracts; and the Offeror must not have received an Unsatisfactory performance evaluation on any Federal Government contract after 1 July 1997.
Unacceptable	Performance evaluation documentation is not provided for one or more of the submitted relevant contracts completed between 1 July 1997 and 1 July 2003; or at least one of these contracts received less than a satisfactory performance rating; or the Offeror has received an Unsatisfactory performance evaluation on at least one Federal Government contract after 1 July 1997.
Neutral	Offerors will not be rated acceptable or unacceptable if all contracts were not issued a final performance evaluation.

2.5.3.2 Subfactor B, Customer Satisfaction

A customer satisfaction questionnaire is provided at the end of this section as Attachment 2. For each of the relevant contracts identified in Factor I, Subfactors A and B, Offerors shall complete Part A. Offerors shall send the partially completed forms to the Contracting Officer for the identified contract (respondent) for completion of Part B. **In the case where the Offeror was a subcontractor on a submitted relevant contract, Offerors shall complete part A of the questionnaire and send the partially completed form to the Prime Contractor for the identified contract (respondent) for completion of Part B.** Only one questionnaire for each relevant contract will be accepted. The respondent shall return completed questionnaires directly to the following address:

US Army Engineer District, Honolulu
CEPOH-CT-C
Attn: DACA83-03-R-0023, Customer Satisfaction Questionnaire
Bldg. 230
Fort Shafter, HI 96858-5440

Fax: 808-438-8588

Respondents should be requested to return questionnaires no later than the closing date of the solicitation. The Government advises Offerors that they are responsible for ensuring timely receipt of completed questionnaires. Questionnaires that are not received may impact an Offeror's rating for this subfactor. Questionnaires received directly from offerors will not be considered in the evaluation. Questionnaires that are missing the Contracting Officer's receipt acknowledgement signature may not be considered. Only questionnaires submitted on the provided form (Attachment 2) will be considered.

A copy of page 1 of all partially completed questionnaires sheets sent shall be included in this tab. Ensure that the reference number is completed on each questionnaires sheet to correctly match questionnaires to the contracts listed in Factor I.

2.5.3.2.1 Evaluation Standards

Acceptable	At least 50% of the completed questionnaires are received for the relevant contracts submitted in Factor I; and on the questionnaires received for the relevant contracts submitted in Factor I, all of the ratings for questions 2 through 9 were no less than satisfactory.
Unacceptable	Less than 50% of the completed questionnaires are received for the relevant contracts submitted in Factor I, or on the surveys received for the relevant contracts submitted in Factor I, one or more of the ratings for questions 2 through 9 were less than satisfactory.

2.5.4 Factor III, Project Management

Provide a diagram depicting the proposed management organization. The chart shall clearly identify lines of authority and areas of responsibility. Include a narrative description of how the management team will operate, and the specific duties and responsibilities of the key personnel. It is not necessary to identify individuals by name for any position.

Incorporate into the description, an organizational chart depicting the on-site managerial and technical staff. At a minimum, the Offeror must include the following key positions: Project Manager, Project Superintendent, Contractor Quality Control System Manager, Safety and Health Manager. In addition to these positions, the Offeror should identify any other managerial and/or technical positions that will be used on this contract to demonstrate the Offeror's ability to provide quality work in both the design and construction aspects of the contract within the contract completion period.

The narrative shall describe the Offeror's proposed on-site organization and structure, and shall describe how the Offeror intends to monitor and control timeliness, quality, and safety of the work at the job site, including the work of any subcontractors on all phases of the contract.

2.5.4.1 Evaluation Standards

The Government will review and evaluate the organization chart and other pertinent information provided as either acceptable or unacceptable. The Offeror's proposal submission for this factor must demonstrate the offeror's ability to complete the project successfully through the use of an efficient organizational structure that allows for streamlined reporting processes, proper subcontractor management, ability to manage resources, and a technically knowledgeable and capable on-site staff.

Acceptable	The proposal includes all requested information for the factor. The diagram is complete and easy to understand. Lines of authority and areas of responsibility are well-defined and are appropriate for the scope of work. The narrative complements the diagram and is in sufficient detail to demonstrate the Offeror's understanding of the effort needed to successfully manage the contract.
Unacceptable	The diagram is incomplete, key positions are not included; or the diagram is unclear, lines of authority or areas of responsibility are not readily discernible; or the narrative does not match the diagram; or the proposed organization is inappropriate to the effort needed to successfully manage the contract.

2.5.5 Factor IV, Small Business Program, Past performance in complying with Small Business Subcontracting Plan.

Offerors shall submit data that demonstrate its use of Small Business Concerns. Small Business Concerns include small disadvantaged businesses (SDB), women-owned small businesses, HUBZone

small businesses, veteran-owned small businesses and service disabled veteran-owned small businesses.

Provide SF 294' s, "Subcontracting Report for Individual Contracts" for projects of similar scope and magnitude. Provide reasonable justifications if goals were not met.

2.5.5.1 Evaluation Standards

Acceptable	Offeror's Small Business Subcontracting Plan goals were met or reasonable justifications for not achieving these goals provided. Offers from Small Business concerns shall receive an acceptable rating..
Unacceptable	Offeror's Small Business Subcontracting Plan goals were not met and no justification for not achieving these goals is provided.

2.6 Step 2/Volume II, Price Proposal

Those Offerors submitting proposals determined acceptable in Step 1 will be offered the opportunity to submit a proposal in Step 2. Award will be made to the Offeror providing the lowest priced proposal in Step 2. The evaluation will be based on the total of all bid items, base plus all options, regardless of the actual options to be awarded.

SECTION 01010

SCOPE OF WORK

1.0 General Requirements

This is a performance-based contract. The Contractor will be responsible for developing its own schedule, means, and methods for accomplishing the work within the time frame and conditions stated.

For all residential buildings in the Aliamanu Military Reservation (AMR), install new service laterals between the existing transformer and existing distribution service panel on the building. There are a total of 60 transformers. The actual number and locations of the transformers to be included in this contract will be identified prior to award. Each transformer is typically connected to 4-10 buildings. The existing direct-buried service laterals may be abandoned in place. See as-built drawings for building locations and existing electrical system layout.

Regardless of the number of line items/transformers awarded, all work onsite, including testing, site restoration and cleanup must be completed no later than 31 July 2004.

All work shall comply with the current editions of the NFPA 70 National Electrical Code, ANSI C2 National Electrical Safety Code, Hawaiian Electric Company (HECO) Electric Service Installation Manual, HECO Standards and Specifications for materials, installation details, and application requirements, and applicable Army Technical Manuals, except where noted.

2.0 Material Requirements

New service laterals shall be copper conductors in direct-buried PVC ducts. All new materials shall conform to the latest HECO standards.

3.0 Sizing Requirements

All new conductors shall be sized equal or larger than the amperage capacity of the existing aluminum conductors that are being replaced. Shop drawings shall be submitted that indicate both the existing aluminum conductor size and the size of the new copper conductor.

4.0 Layout Requirements

The Contractor is responsible for the layout and alignment of all new laterals. However, shop drawings shall be submitted and reviewed with the Contracting Officer prior to beginning work on an area.

As much as practicable, the new laterals shall be located to avoid existing hardscape and landscape features. Where disturbance of existing hardscaping and landscaping is unavoidable, the Contractor shall restore the area upon completion of his work in that area and shall ensure the viability of the plants in the restored area for the next 30 calendar days. Landscaping that does not survive restoration shall be replaced by the Contractor at no additional cost to the Government.

All new laterals shall maintain minimum horizontal and vertical clearances from other utilities as required in the HECO standards. Concrete-encased ducts shall be used as required. Contractors shall make their own determination as to the quantity of concrete encasement needed and shall include this cost in their lump sum prices.

5.0 System Requirements

When used, pull boxes shall be HECO-approved, suitable for an underground secondary distribution system and for secondary services for a complete raceway system. At each building service entrance, provide a suitable underground splice/pull box next to the building distribution panel. This splice/pull box will aid in the future replacement by others of the existing distribution panel with a metering center.

Work at the distribution service panels shall include providing new neutral ground bus and bonding and wiring connections. Grounding of the distribution service panel shall be per the latest edition of the NEC. Additional work may be required at some of the existing distribution service panels, such as: providing supplemental ground rods, new grounding electrode conductor; and connecting communications ground conductor. The cost for all of these additional items of work shall be included in the applicable line item.

6.0 Testing.

Each lateral conductor shall be meggered from the transformer to the distribution service panel. A test report identifying the transformer, cable size, all parameters of the tests and pass/fail results shall be documented in a logical sequence and submitted to the government for acceptance upon completion of all work. The grounding system at the distribution service panel shall also be tested per the latest edition of the NEC. Test results shall be documented similar to the lateral conductor testing. All lump sum prices bid shall include all repairs and/or additions needed to meet the latest HECO and NEC standards.

7.0 As-Builts.

The Contractor shall prepare and submit as-built drawings in accordance with Section 01780.

8.0 Safety.

In addition to the safety requirements contained in EM 385-1-1, Safety and Health Requirements Manual, every effort shall be made to protect the public from harm during construction. Barricades shall be erected around all work areas. Areas with open trenches shall be protected from public access. All trenches shall be covered whenever there is no ongoing work in the area. Where sidewalks, driveways, or roadways are impacted, an alternate route shall be provided at all times during construction. All pedestrian and vehicular access ways, including parking stalls shall be returned to service during non-working hours.

9.0 Outages.

Power outages shall be kept to a minimum and shall be limited to weekdays, excluding federal holidays, between the hours of 0800 and 1600. Outages

of a transformer may not be scheduled for consecutive days. All outage requests shall be coordinated a minimum of 30 calendar days in advance of the date of the outage. Details for the requests will be discussed during the preconstruction conference. The Contractor will be responsible for notifying affected residents a minimum of 7 calendar days in advance of all power outages. Any outage extending past 1600 hours will be subject to liquidated damages as follows:

\$1,760/transformer + \$115/hour, or fraction thereof

There is no grace period. These damages are in addition to the liquidated damages stated in Section 00700. In addition, the Contractor may be held liable for food spoilage, if any, should an outage exceed the allotted hours. The use of generators between the hours of 1600 and 0800 will not be allowed.

10.0 Other Requirements

All disturbed areas shall be restored to existing condition or better, including landscaping, sidewalks, roads, driveways, etc. Concrete used to repair sidewalks shall have a minimum compressive strength of 2500 psi.

The Contractor shall be responsible for his own site investigation, including toning for existing underground utilities, permitting, scheduling, testing and acceptance of the completed system. Any damage to existing utilities shall be repaired at the Contractor's expense and at no additional cost to the Government.

The Government will provide existing as-built drawings as available. However, the Government makes no assurance as to the accuracy and/or completeness of any provided drawings.

Limited onsite parking is available. Contractor vehicles shall not park in assigned stalls, nor in designated No Parking areas. Parked vehicles shall not impede the safe flow of traffic.

The Government will provide a storage area within AMR for use by the contractor. Materials and equipment for use on this contract may be stored in this area. Onsite storage of materials and equipment will not be allowed. At the end of each workday, all equipment and any unused materials shall be removed to the contractor's storage area. The Contractor is responsible for his own security in the storage area, as well as all worksites.

Upon completion of the work, the Contractor shall provide the Government with a signed statement by an authorized officer of the company attesting to the company's compliance with all applicable HECO standards in performance of this work.

11.0 Additional Information

Table 1 is based on the best available information providing additional system configuration information. The Contractor is responsible for verification.

Each transformer has been assigned a Priority Group number representing the critical need of its repair. In general, the Contractor shall

schedule Priority Group 1 transformers first, followed by Priority Group 2, etc. The Government reserves the right to direct the order of work as necessary to protect system integrity, operability, and safety.

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
A1	825	4	8	25	2
A1	826	3			
A1	827	3			
A1	828	3			
A1	829	3			
A1	830	3			
A1	831	3			
A1	832	3			
A2	800	12	6	29	4
A2	847	3			
A2	848	3			
A2	851	4			
A2	852	4			
A2	855	3			
A3	801	12	10	51	2
A3	810	4			
A3	811	12			
A3	812	3			
A3	819	3			
A3	820	4			
A3	821	4			
A3	822	3			
A3	823	3			
A3	824	3			
A4	715	12	5	36	4
A4	716	12			
A4	717	5			
A4	718	4			
A4	719	3			
A5	700	3	4	25	2
A5	702	5			
A5	703	12			
A5	714	5			
B1	1490	3	8	31	2
B1	1491	5			
B1	1492	3			
B1	1504	5			
B1	1505	5			
B1	1533	3			
B1	1534	3			
B1	1577	4			
B2	1506	12			
B2	1529	4			
B2	1530	4			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
B2	1531	5			
B2	1532	5			
B2	1543	4			
B2	1545	4	7	38	2
B3	1541	4			
B3	1542	4			
B3	1553	3			
B3	1554	4			
B3	1557	12			
B3	1576	4			
B3	1578	4	7	35	3
B4	1457	4			
B4	1459	12			
B4	1565	4			
B4	1567	3			
B4	1568	4	5	27	3
B5	1585	3			
B5	1590	3			
B5	1592	3			
B5	1593	3			
B5	1594	4			
B5	1595	4			
B5	1596	3			
B5	1613	3	8	26	2
B6	1581	3			
B6	1582	3			
B6	1583	4			
B6	1584	4			
B6	1589	4	5	18	4
B7	1607	4			
B7	1608	3			
B7	1610	3			
B7	1612	12	4	22	4
B8	1611	3			
B8	1626	3			
B8	1627	12			
B8	1628	4			
B8	1629	3			
B8	1637	3			
B8	1642	3			
B8	1643	3	8	34	3
B11	1410	4			
B11	1428	3			
B11	1433	3			
B11	1434	4			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
B11	1435	4	5	18	3
B12	1432	12	7	50	2
B12	1443	12			
B12	1444	3			
B12	1445	3			
B12	1446	4			
B12	1455	12			
B12	1456	4			
B13	1488	5	4	34	2
B13	1489	5			
B13	1502	12			
B13	1503	12			
C1	657	3	7	24	3
C1	661	3			
C1	662	4			
C1	663	3			
C1	664	4			
C1	665	3			
C1	666	4			
C2	600	4	9	36	3
C2	601	5			
C2	602	5			
C2	640	5			
C2	641	3			
C2	651	5			
C2	652	3			
C2	653	3			
C2	658	3			
C3	603	3	10	32	1
C3	604	5			
C3	605	3			
C3	606	3			
C3	634	3			
C3	635	3			
C3	636	3			
C3	637	3			
C3	638	3			
C3	639	3			
C4	611	5			
C4	612	5			
C4	613	3			
C4	614	3			
C4	615	3			
C4	616	3			
C4	617	3			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
C4	630	5	9	33	3
C4	631	3			
C5	522	3	8	24	1
C5	524	3			
C5	526	3			
C5	542	3			
C5	543	3			
C5	544	3			
C5	547	3			
C5	548	3			
C6	501	4	8	30	1
C6	517	3			
C6	523	5			
C6	525	5			
C6	527	3			
C6	528	3			
C6	529	3			
C6	530	4			
C7	500	3	8	28	2
C7	502	3			
C7	503	3			
C7	504	3			
C7	505	5			
C7	506	3			
C7	515	3			
C7	516	5			
C8	419	12	9	39	2
C8	429	2			
C8	430	2			
C8	432	12			
C8	433	3			
C8	434	2			
C8	435	2			
C8	436	2			
C8	437	2			
C-8A	447	5	6	19	2
C-8A	450	3			
C-8A	451	3			
C-8A	452	3			
C-8A	453	3			
C-8A	454	2			
C9	400	2			
C9	401	2			
C9	402	2			
C9	403	12			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
C9	404	2	11	42	1
C9	405	2			
C9	406	2			
C9	407	2			
C9	408	2			
C9	418	12			
C9	448	2			
C10	298	2	8	24	2
C10	299	2			
C10	300	2			
C10	307	10			
C10	318	2			
C10	319	2			
C10	320	2			
C10	321	2			
C11	274	2	12	48	2
C11	275	2			
C11	276	2			
C11	279	10			
C11	288	2			
C11	289	2			
C11	290	10			
C11	295	2			
C11	296	2			
C11	297	2			
C11	308	10			
C11	309	2			
C12	212	2	12	38	2
C12	213	5			
C12	214	2			
C12	215	2			
C12	239	2			
C12	240	2			
C12	262	10			
C12	263	2			
C12	264	5			
C12	265	2			
C12	280	2			
C12	281	2			
C13	244	2			
C13	245	2			
C13	246	2			
C13	247	2			
C13	248	2			
C13	249	2			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
C13	250	2	8	16	2
C13	251	2			
C14	228	2			
C14	229	2			
C14	230	2			
C14	231	2			
C14	232	2			
C14	233	2			
C14	252	2			
C14	253	2	8	16	3
C15	200	12	9	28	2
C15	201	2			
C15	202	2			
C15	211	2			
C15	221	2			
C15	222	2			
C15	223	2			
C15	224	2			
C15	238	2			
D1	902	3	6	18	2
D1	903	3			
D1	904	3			
D1	906	3			
D1	907	3			
D1	908	3			
D2	958	3	8	25	2
D2	959	3			
D2	962	4			
D2	987	3			
D2	988	3			
D2	989	3			
D2	998	3			
D2	1000	3			
D3	963	3	5	28	3
D3	969	5			
D3	970	12			
D3	990	3			
D3	991	5			
D4	949	5	6	25	1
D4	950	3			
D4	951	4			
D4	952	5			
D4	953	3			
D4	965	5			
D6	1132	4			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
D6	1134	4	8	37	4
D6	1135	4			
D6	1136	3			
D6	1149	3			
D6	1150	10			
D6	1151	5			
D6	1184	4			
E1	1158	12	9	55	3
E1	1159	12			
E1	1160	5			
E1	1161	4			
E1	1162	3			
E1	1179	3			
E1	1180	3			
E1	1181	3			
E1	1193	10			
E2	1163	4	7	43	1
E2	1164	4			
E2	1185	3			
E2	1194	12			
E2	1195	12			
E2	1208	5			
E2	1210	3			
E3	1117	4	9	55	2
E3	1120	3			
E3	1131	12			
E3	1186	5			
E3	1187	5			
E3	1223	5			
E3	1224	12			
E3	1225	4			
E3	1226	5			
E4	1106	5	6	32	2
E4	1107	4			
E4	1114	5			
E4	1116	12			
E4	1118	3			
E4	1119	3			
E5	1121	4			
E5	1247	3			
E5	1248	5			
E5	1249	12			
E5	1250	4			
E5	1251	5			
E5	1252	3			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
E5	1253	3	10	49	2
E5	1262	5			
E5	1263	5			
E6	1221	5	6	38	3
E6	1222	12			
E6	1264	3			
E6	1303	3			
E6	1318	3			
E6	1319	12			
F1-1	1300	3	8	46	2
F1-1	1301	5			
F1-1	1302	3			
F1-1	1307	3			
F1-1	1308	5			
F1-1	1309	12			
F1-1	1321	12			
F1-1	1322	3			
F1-2	1800	3	10	33	2
F1-2	1801	3			
F1-2	1802	3			
F1-2	1803	4			
F1-2	1804	3			
F1-2	1805	4			
F1-2	1806	3			
F1-2	1807	3			
F1-2	1902	4			
F1-2	1904	3			
F1-3	1900	4	7	25	3
F1-3	1903	3			
F1-3	1905	3			
F1-3	1906	4			
F1-3	1907	3			
F1-3	1909	4			
F1-3	1925	4			
F1-4	1908	4	7	33	2
F1-4	1927	3			
F1-4	1929	3			
F1-4	1930	3			
F1-4	1932	5			
F1-4	1933	3			
F1-4	1934	12			
F1-5	1852	3			
F1-5	1853	4			
F1-5	1854	3			
F1-5	1856	3			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
F1-5	1858	4	9	31	2
F1-5	1859	4			
F1-5	1860	3			
F1-5	1861	3			
F1-5	1862	4			
F1-6	1851	4	9	42	3
F1-6	1952	5			
F1-6	1953	5			
F1-6	1954	5			
F1-6	1958	5			
F1-6	1959	3			
F1-6	1960	5			
F1-6	1964	5			
F1-6	1965	5			
F2-1	1708	4	12	45	2
F2-1	1709	5			
F2-1	1710	3			
F2-1	1711	4			
F2-1	1715	3			
F2-1	1716	4			
F2-1	1717	3			
F2-1	1718	4			
F2-1	1722	3			
F2-1	1723	4			
F2-1	1724	4			
F2-1	1727	4			
F2-2	1700	3	9	39	2
F2-2	1701	3			
F2-2	1702	4			
F2-2	1703	3			
F2-2	1704	3			
F2-2	1814	4			
F2-2	1815	12			
F2-2	1816	4			
F2-2	1818	3			
F2-3	1826	3			
F2-3	1827	12			
F2-3	1828	3			
F2-3	1829	4			
F2-3	1835	4			
F2-3	1836	4			
F2-3	1837	3			
F2-3	1843	4			
F2-3	1844	3			
F2-3	1845	4			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
F2-3	1846	3	11	47	1
F2-4	1728	4			
F2-4	1729	3			
F2-4	1733	3			
F2-4	1734	3			
F2-4	1736	5			
F2-4	1737	3			
F2-4	1738	4			
F2-4	1739	4	8	29	3
F2-5	1745	3			
F2-5	1746	4			
F2-5	1747	3			
F2-5	1748	3			
F2-5	1749	4			
F2-5	1755	5			
F2-5	1756	4			
F2-5	1757	4	8	30	2
F3-1	2116	3			
F3-1	2121	5			
F3-1	2122	5	3	13	2
F3-2	2104	3			
F3-2	2105	5			
F3-2	2106	5			
F3-2	2107	5			
F3-2	2108	5			
F3-2	2109	3			
F3-2	2115	12	7	38	1
F3-3	2001	3			
F3-3	2002	5			
F3-3	2003	5			
F3-3	2004	5			
F3-3	2005	3			
F3-3	2006	5			
F3-3	2007	4	7	30	4
F3-4	2000	3			
F3-4	2015	3			
F3-4	2016	4			
F3-4	2017	4			
F3-4	2018	3			
F3-4	2022	5			
F3-4	2023	3			
F3-4	2024	5			
F3-4	2100	4			
F3-4	2101	5	10	39	2
F3-5	2028	5			

TABLE 1 - Additional Transformer Information

Transformer	Bldg #	# units	#bldgs/ xfmr	#units/ xfmr	Priority Group
F3-5	2029	5	10	41	3
F3-5	2030	3			
F3-5	2031	4			
F3-5	2036	5			
F3-5	2037	5			
F3-5	2038	4			
F3-5	2039	3			
F3-5	2040	3			
F3-5	2041	4			
F3-6	2047	5	9	53	1
F3-6	2048	3			
F3-6	2049	5			
F3-6	2050	3			
F3-6	2051	5			
F3-6	2052	4			
F3-6	2053	4			
F3-6	2060	12			
F3-6	2061	12			
Total:		1995	467	1995	

SECTION 01451

CONTRACTOR QUALITY CONTROL

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 3740	(1996) Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction
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ASTM E 329	(1995b) Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction
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1.2 DEFINITION

The Contractor is responsible for quality control and shall establish and maintain an effective quality control program in compliance with the Contract Clause titled "Inspection of Construction." The quality control program shall consist of plans, procedures, and organization necessary to produce an end product that complies with the contract requirements. The program shall cover all construction operations, both onsite and offsite, and shall be keyed to the proposed construction sequence.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. The following shall be submitted in accordance with section 01330 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Quality Control Plan; G.

1.4 PAYMENT

Separate payment will not be made for providing and maintaining an effective Quality Control program, and all costs associated therewith shall be included in the applicable unit prices or lump-sum prices contained in the Bidding Schedule.

PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION

3.1 GENERAL

The project superintendent will be held responsible for the quality of work on the job and is subject to removal by the Contracting Officer for non-compliance with quality requirements specified in the contract. The project superintendent in this context shall mean the individual with the responsibility for the overall management of the project including quality and production.

3.2 QUALITY CONTROL PLAN

3.2.1 General

The Contractor shall furnish for review by the Government, not later than 30 days after receipt of notice to proceed, the Contractor Quality Control (CQC) Plan proposed to implement the requirements of the Contract Clause titled "Inspection of Construction." The plan shall identify personnel, procedures, control, instructions, test, records, and forms to be used. The Government will consider an interim plan for the first 90 days of operation. Construction will be permitted to begin only after acceptance of the CQC Plan or acceptance of an interim plan applicable to the particular feature of work to be started. Work outside of the features of work included in an accepted interim plan will not be permitted to begin until acceptance of a CQC Plan or another interim plan containing the additional features of work to be started.

3.2.2 Content of the CQC Plan

The CQC Plan shall include, as a minimum, the following to cover all construction operations, both onsite and offsite, including work by subcontractors, fabricators, suppliers, and purchasing agents:

- a. A description of the quality control organization, including a chart showing lines of authority and acknowledgment that the CQC staff shall implement the three phase control system for all aspects of the work specified. The staff shall include a CQC System Manager who shall report to the project superintendent.
- b. The name, qualifications (in resume format), duties, responsibilities, and authorities of each person assigned a CQC function. Technicians responsible for sampling and testing of concrete shall be certified by the American Concrete Institute (ACI) or the Concrete Technicians Association of Hawaii (CTAH). Proof of certification shall be included in the CQC Plan. Personnel qualifications may be furnished incrementally as the work progresses, but in no case, less than fourteen (14) calendar days before personnel are required on the job.
- c. A copy of the letter to the CQC System Manager signed by an authorized official of the firm which describes the

responsibilities and delegates sufficient authorities to adequately perform the functions of the CQC System Manager, including authority to stop work which is not in compliance with the contract. The CQC System Manager shall issue letters of direction to all other various quality control representatives outlining duties, authorities, and responsibilities. Copies of these letters shall also be furnished to the Government.

- d. Procedures for scheduling, reviewing, certifying, and managing submittals, including those of subcontractors, offsite fabricators, suppliers, and purchasing agents. These procedures shall be in accordance with Section 01330 SUBMITTAL PROCEDURES.
- e. Control, verification, and acceptance testing procedures for each specific test to include the test name, specification paragraph requiring test, feature of work to be tested, test frequency, and person responsible for each test.
- f. For all proposed QC materials testing laboratories, the contractor must submit a current HED or MTC letter of validation.
- g. Procedures for tracking preparatory, initial, and follow-up control phases and control, verification, and acceptance tests including documentataion.
- h. Procedures for tracking construction deficiencies from identification through acceptable corrective action. These procedures shall establish verification that identified deficiencies have been corrected.
- i. Reporting procedures, including proposed reporting formats.
- j. A list of the definable features of work. A definable feature of work is a task which is separate and distinct from other tasks, has separate control requirements, and may be identified by different trades or disciplines, or it may be work by the same trade in a different environment. Although each section of the specifications may generally be considered as a definable feature of work, there are frequently more than one definable features under a particular section. This list will be agreed upon during the coordination meeting.

3.2.3 Acceptance of Plan

Acceptance of the Contractor's plan is required prior to the start of construction. Acceptance is conditional and will be predicated on satisfactory performance during the construction. The Government reserves the right to require the Contractor to make changes in his CQC Plan and operations including removal of personnel, as necessary, to obtain the quality specified.

3.2.4 Notification of Changes

After acceptance of the CQC Plan, the Contractor shall notify the

Contracting Officer in writing of any proposed change. Proposed changes are subject to acceptance by the Contracting Officer.

3.3 COORDINATION MEETING

After the Preconstruction Conference, before start of construction, and prior to acceptance by the Government of the CQC Plan, the Contractor shall meet with the Contracting Officer or Authorized Representative and discuss the Contractor's quality control system. The CQC Plan shall be submitted for review a minimum of 7 calendar days prior to the Coordination Meeting. During the meeting, a mutual understanding of the system details shall be developed, including the forms for recording the CQC operations, control activities, testing, administration of the system for both onsite and offsite work, and the interrelationship of Contractor's Management and control with the Government's Quality Assurance. Minutes of the meeting shall be prepared by the Government and signed by both the Contractor and the Contracting Officer. The minutes shall become a part of the contract file. There may be occasions when subsequent conferences will be called by either party to reconfirm mutual understandings and/or address deficiencies in the CQC system or procedures which may require corrective action by the Contractor.

3.4 QUALITY CONTROL ORGANIZATION

3.4.1 General

The requirements for the CQC organization are a CQC System Manager and sufficient number of additional qualified personnel to ensure contract compliance. The Safety and Health Manager shall receive direction and authority from the CQC System Manager and shall serve as a member of the CQC staff. Personnel identified in the technical provisions as requiring specialized skills to assure the required work is being performed properly will also be included as part of the CQC organization. The Contractor's CQC staff shall maintain a presence at the site at all times during progress of the work and have complete authority and responsibility to take any action necessary to ensure contract compliance. The CQC staff shall be subject to acceptance by the Contracting Officer.

The Contractor shall provide adequate office space, filing systems and other resources as necessary to maintain an effective and fully functional CQC organization. Complete records of all letters, material submittals, shop drawing submittals, schedules and all other project documentation shall be promptly furnished to the CQC organization by the Contractor. The CQC organization shall be responsible to maintain these documents and records at the site at all times, except as otherwise acceptable to the Contracting Officer.

3.4.2 CQC System Manager

The Contractor shall identify as CQC System Manager an individual within the onsite work organization who shall be responsible for overall management of CQC and have the authority to act in all CQC matters for the Contractor. The CQC System Manager shall be a construction person with a

minimum of 5 years in related work. This CQC System Manager shall be on the site at all times during construction and shall be employed by the prime Contractor. The CQC System Manager shall be assigned no other duties. An alternate for the CQC System Manager shall be identified in the plan to serve in the event of the System Manager's absence. The requirement for the alternate shall be the same as for the designated CQC Systems Manager.

3.4.3 CQC Personnel

In addition to CQC personnel specified elsewhere in the contract, the Contractor shall provide as part of the CQC organization specialized personnel to assist the CQC System Manager. If it is subsequently determined by the Contracting Officer that the minimum contract CQC requirements are not being met, the Contractor may be required to provide additional staff personnel to the CQC organization at no cost to the Government.

3.4.4 Additional Requirement

The CQC System Manager shall have completed the course entitled "Construction Quality Management For Contractors" within the past 5 years. This course is periodically offered at the General Contractors Association of Hawaii.

3.4.5 Organizational Changes

The Contractor shall maintain the CQC staff at full strength at all times. When it is necessary to make changes to the CQC staff, the Contractor shall revise the CQC Plan to reflect the changes and submit the changes to the Contracting Officer for acceptance.

3.5 SUBMITTALS AND DELIVERABLES

Submittals, if needed, shall be made as specified in Section 01330 SUBMITTAL PROCEDURES. The CQC organization shall be responsible for certifying that all submittals and deliverables are in compliance with the contract requirements. When Section 15950A, Heating, Ventilating and Air Conditioning (HVAC) Control Systems; Section 15951A, Direct Digital Control for HVAC; Section 15990A, Testing, Adjusting, and Balancing of HVAC Systems; or Section 15995A, Commissioning of HVAC Systems, are included in the contract, the submittals required by those sections shall be coordinated with Section 01330, Submittal Procedures, to ensure adequate time is allowed for each type of submittal required.

3.6 CONTROL

Contractor Quality Control is the means by which the Contractor ensures that the construction, to include that of subcontractors and suppliers, complies with the requirements of the contract. At least three phases of control shall be conducted by the CQC System Manager for each definable feature of work as follows:

3.6.1 Preparatory Phase

This phase shall be performed prior to beginning work on each definable feature of work, after all required plans/documents/materials are approved/accepted, and after copies are at the work site. This phase shall include:

- a. A review of each paragraph of applicable specifications.
- b. A review of the contract drawings.
- c. A check to assure that all materials and/or equipment have been tested, submitted, and approved.
- d. Review of provisions that have been made to provide required control inspection and testing.
- e. Examination of the work area to assure that all required preliminary work has been completed and is in compliance with the contract.
- f. A physical examination of required materials, equipment, and sample work to assure that they are on hand, conform to approved shop drawings or submitted data, and are properly stored.
- g. A review of the appropriate activity hazard analysis to assure safety requirements are met.
- h. Discussion of procedures for controlling quality of the work including repetitive deficiencies. Document construction tolerances and workmanship standards for that feature of work.
- i. A check to ensure that the portion of the plan for the work to be performed has been accepted by the Contracting Officer.
- j. Discussion of the initial control phase.
- k. The Government shall be notified at least 48 hours in advance of beginning the preparatory control phase. This phase shall include a meeting conducted by the CQC System Manager and attended by the superintendent, other CQC personnel (as applicable), and the foreman responsible for the definable feature. The results of the preparatory phase actions shall be documented by separate minutes prepared by the CQC System Manager and attached to the daily CQC report. The Contractor shall instruct applicable workers as to the acceptable level of workmanship required in order to meet contract specifications.

3.6.2 Initial Phase

This phase shall be accomplished at the beginning of a definable feature of work. The following shall be accomplished:

- a. A check of work to ensure that it is in full compliance with contract requirements. Review minutes of the preparatory meeting.

- b. Verify adequacy of controls to ensure full contract compliance. Verify required control inspection and testing.
- c. Establish level of workmanship and verify that it meets minimum acceptable workmanship standards. Compare with required sample panels as appropriate.
- d. Resolve all differences.
- e. Check safety to include compliance with and upgrading of the safety plan and activity hazard analysis. Review the activity analysis with each worker.
- f. The Government shall be notified at least 24 hours in advance of beginning the initial phase. Separate minutes of this phase shall be prepared by the CQC System Manager and attached to the daily CQC report. Exact location of initial phase shall be indicated for future reference and comparison with follow-up phases.
- g. The initial phase should be repeated for each new crew to work onsite, or any time acceptable specified quality standards are not being met.

3.6.3 Follow-up Phase

Daily checks shall be performed to assure control activities, including control testing, are providing continued compliance with contract requirements, until completion of the particular feature of work. The checks shall be made a matter of record in the CQC documentation. Final follow-up checks shall be conducted and all deficiencies corrected prior to the start of additional features of work which may be affected by the deficient work. The Contractor shall not build upon nor conceal non-conforming work.

3.6.4 Additional Preparatory and Initial Phases

Additional preparatory and initial phases shall be conducted on the same definable features of work if the quality of on-going work is unacceptable, if there are changes in the applicable CQC staff, onsite production supervision or work crew, if work on a definable feature is resumed after a substantial period of inactivity, or if other problems develop.

3.7 TESTS

3.7.1 Testing Procedure

The Contractor shall perform specified or required tests to verify that control measures are adequate to provide a product that conforms to contract requirements. Upon request, the Contractor shall furnish to the Government duplicate samples of test specimens for possible testing by the Government. Testing includes operation and/or acceptance tests when specified. The Contractor shall procure the services of a Corps of

Engineers approved testing laboratory or establish an approved testing laboratory at the project site. The Contractor shall perform the following activities and record and provide the following data:

- a. Verify that testing procedures comply with contract requirements.
- b. Verify that facilities and testing equipment are available and comply with testing standards.
- c. Check test instrument calibration data against certified standards.
- d. Verify that recording forms and test identification control number system, including all of the test documentation requirements, have been prepared.
- e. Results of all tests taken, both passing and failing tests, shall be recorded on the CQC report for the date taken. Specification paragraph reference, location where tests were taken, and the sequential control number identifying the test shall be given. If approved by the Contracting Officer, actual test reports may be submitted later with a reference to the test number and date taken. An information copy of tests performed by an offsite or commercial test facility shall be provided directly to the Contracting Officer. Failure to submit timely test reports as stated may result in nonpayment for related work performed and disapproval of the test facility for this contract.

3.7.2 Testing Laboratories

3.7.2.1 3.7.2.1 Validation Requirements

Any laboratory used by the Contractor for testing aggregate, concrete, bituminous materials, soils, rock, and other construction materials must possess a current validation letter prior to performance of testing by that laboratory. Validation shall be obtained through the Corps of Engineers Materials Testing Center (MTC) in Vicksburg, MS. Validation may be initiated by completing an Inspection Request Form and questionnaire that are available directly from the MTC or from the MTC website, <http://www.wes.army.mil/SL/MTC/inspection.htm>.

The MTC also maintains a website listing validated laboratories at: <http://www.wes.army.mil/SL/MTC/ValStatesTbl.htm>.

3.7.2.2 Exception

The validation letters already obtained from HED in 2001 and 2002 will be considered acceptable proof of validation through its expiration date. Upon expiration, laboratories must be revalidated by the MTC, as required above. The validation status of laboratories in Hawaii may be found at: <http://www.poh.usace.army.mil/Construction/LabValidation/labvalidation.html>.

3.7.2.3 Capability Check

The Government reserves the right to check laboratory equipment in the

proposed laboratory for compliance with the standards set forth in the contract specifications and to check the laboratory technician's testing procedures and techniques. Laboratories utilized for testing soils, concrete, asphalt, and steel shall meet criteria detailed in ASTM D 3740 and ASTM E 329.

3.7.2.4 Capability Recheck

If the selected laboratory fails the capability check, the Contractor shall reimburse the Government for each succeeding recheck of the laboratory or the checking of a subsequently selected laboratory. Such costs will be deducted from the contract amount due the Contractor.

3.7.3 Onsite Laboratory

The Government reserves the right to utilize the Contractor's control testing laboratory and equipment to make assurance tests and to check the Contractor's testing procedures, techniques, and test results at no additional cost to the Government.

3.7.4 Furnishing or Transportation of Samples for Testing

Costs incidental to the transportation of samples or materials shall be borne by the Contractor. Samples of materials for test verification and acceptance testing by the Government shall be delivered to a testing laboratory on the Island of Oahu, State of Hawaii, designated by the Contracting Officer. Coordination for each specific test, exact delivery location, and dates will be made through the Government field office.

3.8 COMPLETION INSPECTION

3.8.1 Punch-Out Inspection

Near the completion of all work or any increment thereof established by a completion time stated in the Special Clause entitled "Commencement, Prosecution, and Completion of Work," or stated elsewhere in the specifications, the CQC System Manager shall conduct an inspection of the work and develop a punch list of items which do not conform to the approved drawings and specifications. Such a list of deficiencies shall be included in the CQC documentation, as required by paragraph DOCUMENTATION below, and shall include the estimated date by which the deficiencies will be corrected. The CQC System Manager or staff shall make a second inspection to ascertain that all deficiencies have been corrected. Once this is accomplished, the Contractor shall notify the Government that the facility is ready for the Government Pre-Final inspection.

3.8.2 Pre-Final Inspection

The Government will perform this inspection to verify that the facility is complete and ready to be occupied. The QC Manager shall develop a punch list of items which do not conform to the contract documents. The Government will review the punch list and add to or correct the items listed. The QC Manager shall incorporate Government comments and provide a Pre-Final Punch List. The Contractor's CQC System Manager shall ensure

that all items on this list have been corrected before notifying the Government so that a Final inspection with the customer can be scheduled. Any items noted on the Pre-Final inspection shall be corrected in a timely manner. These inspections and any deficiency corrections required by this paragraph shall be accomplished within the time slated for completion of the entire work or any particular increment thereof if the project is divided into increments by separate completion dates.

3.8.3 Final Acceptance Inspection

The Contractor's Quality Control Inspection personnel, plus the superintendent or other primary management person, and the Contracting Officer's Representative shall be in attendance at this inspection. Additional Government personnel including, but not limited to, those from Base/Post Civil Facility Engineer user groups, and major commands may also be in attendance. The final acceptance inspection will be formally scheduled by the Contracting Officer based upon results of the Pre-Final inspection. Notice shall be given to the Contracting Officer at least 14 days prior to the final acceptance inspection and shall include the Contractor's assurance that all specific items previously identified to the Contractor as being unacceptable, along with all remaining work performed under the contract, will be complete and acceptable by the date scheduled for the final acceptance inspection. Failure of the Contractor to have all contract work acceptably complete for this inspection will be cause for the Contracting Officer to bill the Contractor for the Government's additional inspection cost in accordance with the contract clause titled "Inspection of Construction".

3.9 DOCUMENTATION

The Contractor shall maintain current records providing factual evidence that required quality control activities and/or tests have been performed. These records shall include the work of subcontractors and suppliers and shall be prepared using government-provided software, QCS (see Section 01312), that includes, as a minimum, the following information:

- a. Contractor/subcontractor and their area of responsibility.
- b. Operating plant/equipment with hours worked, idle, or down for repair.
- c. Work performed each day, giving location, description, and by whom. When Network Analysis (NAS) is used, identify each phase of work performed each day by NAS activity number.
- d. Test and/or control activities performed with results and references to specifications/drawings requirements. The control phase should be identified (Preparatory, Initial, Follow-up). List deficiencies noted along with corrective action.
- e. Quantity of materials received at the site with statement as to acceptability, storage, and reference to specifications/drawings requirements.

- f. Submittals reviewed, with contract reference, by whom, and action taken.
- g. Off-site surveillance activities, including actions taken.
- h. Job safety evaluations stating what was checked, results, and instructions or corrective actions.
- i. Instructions given/received and conflicts in plans and/or specifications.
- j. Contractor's verification statement.

These records shall indicate a description of trades working on the project; the number of personnel working; weather conditions encountered; and any delays encountered. These records shall cover both conforming and deficient features and shall include a statement that equipment and materials incorporated in the work and workmanship comply with the contract. Unless otherwise directed by the Contracting Officer the original and one copy of these records in report form shall be furnished to the Government daily within 24 hours after the date covered by the report, except that reports need not be submitted for days on which no work is performed. As a minimum, one report shall be prepared and submitted for every 7 days of no work and on the last day of a no work period. All calendar days shall be accounted for throughout the life of the contract. The first report following a day of no work shall be for that day only. Reports shall be signed and dated by the CQC System Manager. The report from the CQC System Manager shall include copies of test reports and copies of reports prepared by all subordinate quality control personnel.

3.10 NOTIFICATION OF NONCOMPLIANCE

The Contracting Officer will notify the Contractor of any detected noncompliance with the foregoing requirements. The Contractor shall take immediate corrective action after receipt of such notice. Such notice, when delivered to the Contractor at the work site, shall be deemed sufficient for the purpose of notification. If the Contractor fails or refuses to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to such stop orders shall be made the subject of claim for extension of time or for excess costs or damages by the Contractor.

-- End of Section --